

## REMARKS

The Office Action mailed March 22, 2007 considered claims 1-33. Claims 1, 2, 7, 12, 14, 15, 20, 25, and 27-32 were rejected under 35 U.S.C. 102(e) as being anticipated by Southam et al. (US 6,920,410) hereinafter *Southam*. Claims 3, 4, 6, 8, 9, 11, 16, 17, 19, 21, 22, and 24 were rejected under 35 U.S.C. 103(a) as being unpatentable over *Southam* in view of Trevithick et al. (US 2002/0116466). Claims 5, 10, 18, and 23 were rejected under 35 U.S.C. 103(a) as being unpatentable over *Southam*. Claims 13 and 26 were rejected under 35 U.S.C. 103(a) as being unpatentable over *Southam* in view of Fremantle et al. (US 2004/0117199).<sup>1</sup>

By this amendment claims 1, 3, 4, 6, 8, 9, 11, 14, 16, 17, 19, 21, 22, 24, 31 and 32 have been amended.<sup>2</sup> Claim 27 has been cancelled. Accordingly, claims 1-26 and 28-32 are pending, of which claims 1, 14 and 31 are the only independent claims at issue.

The present invention is generally directed to generating code that tests capabilities of a test computing system. For example, claim 1 defines accessing a message exchange pattern definition that defines a plurality of states, the message exchange pattern definition further having for each of the plurality of states, an indication of one or more valid messages that conform to the message exchange pattern for that state, an indication of which computing system may transmit each valid message given the state, and a state transition indication for at least some of the valid messages identifying one of the plurality of states to transition to should the valid message occur.

Next, claim 1 defines accessing a state in which the message exchange pattern definition allows a valid transmission message to be transmitted by the test computing system for the accessed state. Next, claim 1 defines, based on the accessed state, automatically generating code that at least simulates transmission of the valid transmission message and transitioning to other code that represents the state to transition to in response to transmission of the valid transmission message. Next, claim 1 defines accessing at least one other state in which the message exchange pattern definition allows a valid receipt message to be received. Next, claim 1 defines, based on

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<sup>1</sup> Although the prior art status of the cited art is not being challenged at this time, Applicant reserves the right to challenge the prior art status of the cited art at any appropriate time, should it arise. Accordingly, any arguments and amendments made herein should not be construed as acquiescing to any prior art status of the cited art.

<sup>2</sup> Support for the amendments to the claims are found throughout the specification and previously presented claims, including but not limited to paragraphs [0025]-[0028], [0036], [0038], [0040]-[0042], [0059], [0060] and Figures 3 & 5.

the at least one other accessed state, automatically generating code that simulates the receipt of the valid receipt message and transitioning to other code that represents the state to transition to in response to reception of the valid message.

Claim 14 is a computer program product claim corresponding to claim 1. Claim 31 is a method claim similar to claim 1 that includes functional language.

Applicants respectfully submit that the cited art of record does not anticipate or otherwise render the amended claims unpatentable for at least the reason that the cited art does not disclose, suggest, or enable each and every element of these claims.

*Southam* describes a method and system for testing a network service in a substantially similar environment to the actual environment (Col. 1:59-62). *Southam* uses mock clients to send and receive transmissions. The mock clients are, in some embodiments, generated from web services description language (WSDL) information associated with the testing service (Col. 6:1-13). A user can specify one or more mock network service WSDL files using a mock network service WSDL template. The service files are then used as inputs in a test environment generation system that is configured to run tests using the inputs supplied by the user (Col. 5:47-Col. 6:13).

*Southam* fails, however, to teach or suggest transitioning to other code that represents the state to transition to in response to transmission of the valid transmission message, as recited in claim 1. Furthermore, *Southam* fails to teach or suggest transitioning to other code that represents the state to transition to in response to reception of the valid message, as recited in claim 1. At least for either of these reasons, claim 1 patentably defines over the art of record. At least for either of these reasons, claims 14 and 31 also patentably define over the art of record. Since each of the dependent claims depend from one of claims 1, 14 and 31, each of the dependent claims also patentably define over the art of record for at least either of the same reasons.

Claims 14-30 were rejected under 35 U.S.C. 101 because the claimed invention was directed to non-statutory subject matter. Claim 14 has been amended to recite "recordable-type computer-readable media." Claims 15-30 directly or indirectly depend on claim 14, and are therefore addressed in connection with the rejection to claim 14. Accordingly, Applicants respectfully request that the 35 U.S.C. § 101 rejection of claims 14-30 be withdrawn.

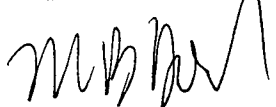
Claim 27 was objected to because it was a substantial duplicate of claim 26. Claim 27 has been cancelled, thus rendering this objection moot. Accordingly, Applicants request that the objection to claim 27 be withdrawn.

In view of the foregoing, Applicant respectfully submits that the other rejections to the claims are now moot and do not, therefore, need to be addressed individually at this time. It will be appreciated, however, that this should not be construed as Applicant acquiescing to any of the purported teachings or assertions made in the last action regarding the cited art or the pending application, including any official notice. Instead, Applicant reserves the right to challenge any of the purported teachings or assertions made in the last action at any appropriate time in the future, should the need arise. Furthermore, to the extent that the Examiner has relied on any Official Notice, explicitly or implicitly, Applicant specifically requests that the Examiner provide references supporting the teachings officially noticed, as well as the required motivation or suggestion to combine the relied upon notice with the other art of record.

In the event that the Examiner finds remaining impediment to a prompt allowance of this application that may be clarified through a telephone interview, the Examiner is requested to contact the undersigned attorney at 801-533-9800.

Dated this 22<sup>nd</sup> day of June, 2007.

Respectfully submitted,



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